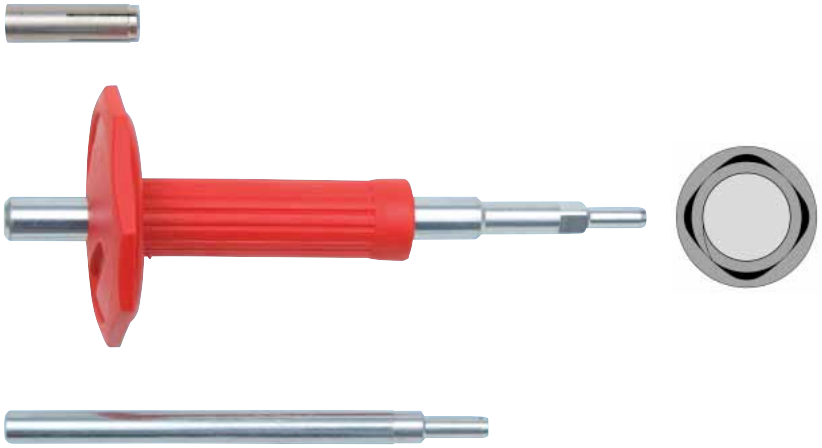
W-ED/A4 – W-ED/HCR DRIVE-IN ANCHOR



Individual fastening: Uncracked concrete
Multiple attachment:
Cracked and uncracked concrete

W-ED/A4
Stainless steel A4

W-ED/HCR
Highly corrosion resistant steel
(Material number 1.4529)
Available on special order

Marking-spreading tool with hand guard
(→ visual setting check)

Spreading tool
(→ no visual setting check

Drive-in anchor W-ED/S, see 13.1

Performance facts

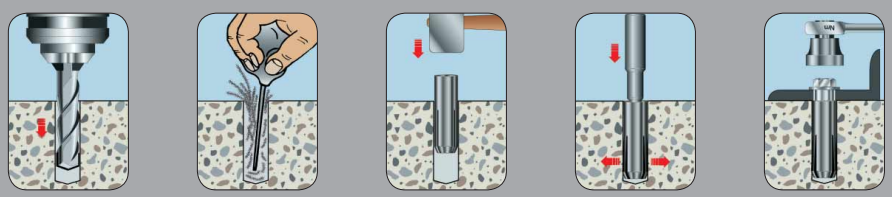
Approvals				Test reports
A4: M6 - M20 **HCR: M6-M10**	**A4: M6-M16** **HCR: M6-M16**			
European Technical Approval Option 7 for uncracked concrete	**European Technical Approval** Multiple attachment of non-load-bearing systems in concrete	**Fire resistance** **Technical Report TR 020** **R30-R120**	**M8-M16**	**Fire resistance** Direct flame effect
ETA	ETA		VdS	

1. Applications
- Can be used for medium to heavy loads
- With European Technical Approval, the anchor may be used in reinforced or unreinforced standard concrete of a strength class of at least C20/25 and at most C50/60 in accordance with EN 206-1:2000-12
- **Individual fastening:** Anchorage with European Technical Approval in uncracked concrete (concrete pressure zone)
- **Multiple attachment of non-load-bearing systems:** Anchoring with European Technical Approval in cracked concrete (concrete tensile zone) and in uncracked concrete (concrete pressure zone)
- The anchor may only be used for anchoring under primarily static loads or quasi-static loads
- For use in concrete <C20/25 and pressure-resistant natural stone (without approval)
- W-ED/A4 (stainless steel A4) can be used in dry interior rooms, outdoors (including industrial atmosphere and near the sea) or in damp rooms
- W-ED/HCR (highly corrosion-resistant steel HCR) may be used in areas with very high corrosion loading (e.g. indoor pool atmosphere, road tunnels, poorly ventilated car parks or parts in salt water and in a marine atmosphere)
- Suitable for attaching threaded rods, metal structures, metal profiles, grids, cable conduits, pipes, mounting rails etc.

2. Advantages
- Low borehole depth
- High load-bearing capacities
- Easy installation due to low knock-in energy
- Visual setting check and hand guard for installing with marking-spreading tool
- Can be loaded immediately – no waiting times
- Attachment can easily be detached again at any time

3. Features
- Travel-controlled spreading anchor made of stainless steel in sizes M6, M8, M10, M12, M16 and M20
- The attached part can be fastened with a securing screw or a threaded rod
- Approvals:
  Uncracked concrete, Option 7:
  Stainless steel A4 M6-M20 and highly corrosion-resistant steel HCR M6-M10; European Technical Approval ETA-02/0044
  Multiple attachment of non-load-bearing systems in concrete:
  Stainless steel A4 M6-M16 and highly corrosion-resistant steel HCR M6-M10; European Technical Approval ETA-05/0120
- Fire resistance:
  R30, R60, R90, R120: Technical Report TR 020 "Assessment of anchoring in concrete with regard to the fire resistance" (included in ETA-05/0120);
  F30, F60, F90, F120: Fire load in accordance with DIN 4102-02: 1977-09 (ETK)

Setting instructions



Drill hole | Clean the drilled hole | Knock in anchor until flush | Anchor with spreading tool | Secure component Apply torque